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10/501,180	05/02/2005	Jurgen Lick	BSSNNP06	2154
49691	7590	06/26/2007	EXAMINER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/501,180

Applicant(s)

LICK ET AL.

Examiner

Bao Q. Truong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 27-40 and 50-64 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 27-40 and 50-64 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 April 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

2. Claims 52, 62 and 63 are objected to because of the following informalities:

Claim 52, the applicant recites "at least one projection device" in line 4, and again recites "at least one projection device" in line 10. Are they different? In line 11-12, the applicant recites "the at least one projection device". Which one does it refer? Should "at least one projection device" in line 10 be changed to --the at least one projection device--?

Claims 62 and 63, the applicant recites "the at least one projection device".

Which one does "the at least one projection device" recited in claim 52 refer?

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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4. Claims 27-40 and 50-64 are rejected under 35 U.S.C. 102(b) as being anticipated by Ockelmann [EP 0 857 647 A1].

Regarding claims 27, 40 and 51 Ockelmann discloses an apparatus for display luminous radiation on a shell [7, 9] of an aircraft [1] having at least one light source [at 15] for producing luminous radiation, at least one projection device [17] for converting the luminous radiation into projectable luminous radiation, the at least one projection device [17] being arranged in the interior of the shell [7, 9] for projecting the luminous radiation through the interior onto the shell [7, 9], the shell being translucent and being visible from the outside, at least one lead-through [at 22, for optical cable 23] being arranged at the shell [7, 9] of the aircraft [1] for arranging of at least one turret [22], which is translucent and sealed against the interior of the shell [inherently from the cubes 22 in order to transmit light beam from device 17], and the at least one projection device [17] being exchangeably arranged in the at least one turret [22] (figures 1-5, abstract at page 1, page 6 lines 20-31, whole pages 7 and 8).

Regarding claims 28 and 53, Ockelmann discloses the at least light source [at 15] being arranged outside the shell [7, 9] in a loading area [12] of the aircraft [1] (figures 1 and 3, page 7 lines 5-17).

Regarding claims 29 and 54, Ockelmann discloses at least one light wave guide [fiber optics 23] being arranged along the shell [7, 9] (figure 3. page 8 lines 17-25).

Regarding claim 30, Ockelmann discloses at least one further projection device [17] for projecting luminous radiation in arbitrarily definable directions (figures 1, 3 and 4).

Regarding claims 31 and 55, Ockelmann discloses an airship (figure 1).

Regarding claims 32 and 56, Ockelmann discloses a laser light source [at 15] (figures 1 and 3, page 7 lines 14-20, page 9 lines 4-5).

Regarding claims 33 and 57, Ockelmann discloses at least one wave guide [23] for guiding the luminous radiation from the at least light source [at 15] to the at least one projection device [17] (figure 3).

Regarding claims 34 and 58, Ockelmann discloses the at least one projecting device [17] for projecting image [18] carrying luminous radiation (figures 1-4, page 7 lines 14-31, page 8 lines 1-4).

Regarding claims 35 and 59, Ockelmann discloses the at least one projection device [17] for projecting effect light (for an image, page 7 lines 14-31, page 8 lines 1-4).

Regarding claims 36, 37 and 60, Ockelmann discloses the at least one projection device [17] for projecting spatial/moving pictures (page 7 lines 24-31, page 8 lines 1-4).

Regarding claims 38 and 61, Ockelmann discloses at least one light source [a laser bank, at 15] being housed in at least one projection device [15] (page 7 lines 14-20).

Regarding claim 39, Ockelmann discloses the at least one projection device for projecting image [18, 24] carrying luminous radiation which is simultaneous with external events [pictorial representations, advertising programs] (page 8 lines 1-4).

Regarding claim 50, Ockelmann discloses at least one light wave guide [23] being provided for guiding the luminous radiation from the light source [15] to the projection device [17] via the at least one lead-through [the optic fiber 23 being arranged

at exterior side of the envelope and the projection device 17 being mounted on the inside of the envelope' (figures 3-5).

Regarding claims 52 and 64, Ockelmann discloses an apparatus for display luminous radiation on a shell [7, 9] of an aircraft [1] having at least one light source [at 15] for producing luminous radiation, at least one projection device [17] for converting the luminous radiation into projectable luminous radiation, the at least one projection device [17] being arranged in the interior of the shell [7, 9] for projecting the luminous radiation through the interior onto the shell [7, 9], the shell being translucent and being visible from the outside, whereby, at least one projection device [17] being adapted for projecting image carrying luminous radiation which is simultaneous with external events [pictorial representations, advertising programs] and the at least one projection device [17] being adapted for projecting spatial luminous radiation (figures 1-5, abstract at page 1, page 6 lines 20-31, whole pages 7 and 8).

Regarding claim 62, Ockelmann discloses at least one lead-through [at 22, for optical cable 23] being arranged at the shell [7, 9] of the aircraft [1] for arranging of at least one projection device [17] and at least one light wave guide [23] being provided for guiding the luminous radiation from the light source [15] to the projection device [17] via the at least one lead-through [the optic fiber 23 being arranged at exterior side of the envelope and the projection device 17 being mounted on the inside of the envelope] (figures 3-5).

Regarding claim 63, Ockelmann discloses the at least one projection device [17] being arranged in the interior of the shell [7, 9] so as to be exchangeably arranged from

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outside the shell (figures 1-5, abstract at page 1, page 6 lines 20-31, whole pages 7 and 8).

Response to Amendment

5. Applicant's amendments and arguments filed 4/4/2007 have been fully considered but they are not persuasive.

Claim 27, the applicant recites that Ockelmann does not disclose at least one lead-through arranged at the shell of the aircraft for arranging of at least one turret, which is translucent and sealed against the interior of the shell, and the at least one projection device being exchangeably arranged in the at least one turret. However, the examiner believes that Ockelmann [EP 0 857 647 A1] discloses at least one lead-through [at 22, for optical cable 23 going through, since the optic fiber 23 being arranged at exterior side of the envelope and the projection device 17 being mounted on the inside of the envelope] being arranged at the shell [7, 9] of the aircraft [1] for arranging of at least one turret [22, a cubes-form tissue bag], which is translucent [inherently from the cubes 22 in order to transmit light beam from the device 17] and sealed against the interior of the shell, and the at least one projection device [17] being exchangeably arranged in the at least one turret [22] [capable of replaceable or exchangeable] (figures 1-5, abstract at page 1, page 6 lines 20-31, whole pages 7 and 8).

Moreover, it is noted that the features upon which applicant argues (i.e., a turret arranged at a lead-through, the projector device that is disposed in the turret is easily

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accessible from the outside of the shell) are not recited in the rejected claim(s).

Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

New added claims 52-64 are rejected as above.

In view of above, all claims are unpatentable.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

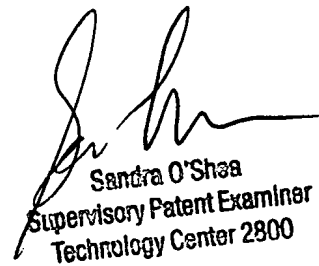
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Truong whose telephone number is (571) 272-2383. The examiner can normally be reached on Monday-Friday (8:00 AM - 4:00 PM).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bao Q. Truong
Examiner
Art Unit 2875



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